

Image Processing Software Package in Medical Imaging: A review

Abstract

MATLAB is at present among the best available technique for image processing. Medical images after digitalized processed can help reducing the number of false positives and they assist medical officers in deciding between follow-up and biopsy. This paper gives a survey of image processing algorithms that have been developed for detection of masses and segmentation techniques. 35 students from university campus participated in the Development of Biomedical Image Processing Software Package for New Learners Survey investigating the use of software package for processing and editing image. Composed of 19 questions, the survey built a comprehensive picture of the software package, programming language, workflow of the tool and captured the attitudes of the respondents. The result of this study shows that MATLAB is among the famous software package and this result is expected to be beneficial and able to assist users on effective image processing and analysis in a newly developed software package.